

Contents

1	Introduction	1
2	Control Strategies in the Design of Automotive Suspension Systems	9
3	Vehicle Suspension System	23
4	Design of Semi-active Suspension System	39
5	Full Car Model Cornering Performance	65
6	Simulation of Full Car Model	79
7	Experimental Analysis of Full Car Model	143
8	Conclusions and Recommendations	171
	Appendix A	177
	Appendix B	179
	Appendix C	187
	References	199